

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Jonathan James Juliano	POSITION TITLE Clinical Assistant Professor		
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Toronto, Toronto, ON, Canada	BSc.	1990-1994	Microbiology/History
University of N. Carolina-SPH, Chapel Hill, NC	MSPH	1995-1997	Microbiology
University of N. Carolina-SOM, Chapel Hill, NC	MD	1997-2001	Medicine
University of Minnesota, Minneapolis, MN		2001-2005	Internal Medicine/Pediatrics Residency
University of N. Carolina-SOM, Chapel Hill, NC		2005-2008	Infectious Diseases Fellowship
Gorgas Memorial Institute, Lima, Peru	DTM&H	2007	Tropical Medicine

- A. Professional Positions** (chronological order and including residency, fellowships, postdoctoral training; list dates, title and institution)
- 6/01-5/05 Internal Medicine and Pediatrics Resident, University of Minnesota Hospitals
6/05-12/08 Infectious Disease Subspecialty Resident, University of North Carolina School of Medicine
1/09-Present Clinical Assistant Professor, University of North Carolina School of Medicine

Certification and Boards

- 6/01-6/05 Minnesota Residency Permit Number 15546
1/04-11/05 Minnesota Medical License Number 46367
8/05-Present North Carolina Medical License 01062
2005 American Board of Internal Medicine; Certification in Internal Medicine (#277727)

Honors and Awards**University of North Carolina School of Medicine- Infectious Disease Fellowship**

- IDSA ERF/NFID Merle A. Sande/Pfizer Fellowship in International Infectious Diseases, 2007
- Terry Lee Award, ID Society of North Carolina, 2007

University of North Carolina School of Medicine

- John B. Graham Research Society, 1999
- Holderness Fellowship, 1998
- International Fellowship, 1998 (declined)
- John B. Graham Travel Grant, 1997
- Alpha Omega Alpha, Inducted 2000

University of North Carolina School of Public Health

- Environmental Sciences Achievement Award, 1998

University of Toronto

- Degree with Distinction, 1994

- B. Publications** (chronological order and list under separate subheadings peer-reviewed published or in press research articles, editorials, reviews, abstracts; books and book chapters; non-peer-refereed publications)

Peer Reviewed Publications:

Accepted

1. Alker, A.P., **Juliano, J.J.**, and Meshnick, S.R. (2009) Detection of DHFR-164L in Africa by Real Time PCR. *Antimicrob Agents and Chemother.* (Accepted: AAC01427-08)
2. **Juliano, J.J.**, Bacon, D.J., Mu, J., Wang, X., and Meshnick, S.R. (2009) Novel *dhps* and *pfcr* Polymorphisms in *Plasmodium falciparum* Detected by Heteroduplex Tracking Assay. *Am J Trop Med Hyg.* (Accepted: AJTMH-08-0560)
3. Randrianarivelojosia, M., Raveloson, A., Randriamanantena, A., **Juliano, J.J.**, Andrianjafy, T., Raharimalala, L.A., and Robert, V. (2008) Lessons learnt from the six decades of chloroquine use (1945 -- 2005) to control malaria in Madagascar. *Trans Royal Soc Trop Med Hyg.* 103(1). 3-10.
4. **Juliano, J.J.**, Trottman, P., Mwapasa, V., and Meshnick, S.R. (2008) Detection of the DHFR-164L Mutation in *Plasmodium falciparum* Infections from Malawi by Heteroduplex Tracking Assay. *Am J Trop Med Hyg.* 78(6), 892-4.
5. **Juliano, J.J.**, Kwiek, J.J., Cappell, K., Mwapasa, V., and Meshnick, S.R. (2007) Minority-variant *pfcr* K76T mutations and chloroquine resistance, Malawi. *Emerg Infect Dis.* 6, 873-7.

Non-Peer Reviewed Publications:

Book Chapters:

1. Miller, W. and **Juliano, J.** Malaria. In: *Netter's Internal Medicine*, 2nd Edition. Eds. Greganti, A. and Runge, M. 2008. Saunders. ISBN: 978-1-4160-4997-5

Meeting Abstracts:

1. Simmons, O., **Juliano, J.**, Heaney, C., Francey, D., Schaefer, F., and Sobsey, M.D. (1999) Comparison of Filtration Methods for Primary Recovery of *Cryptosporidium parvum* from Water. *Proceedings of the ISWP.*
2. **Juliano, J.** and Sobsey, M.D. (1997) Simultaneous Concentration of *Cryptosporidium*, Bacteria and Viruses from Water By Hollow Fiber Ultrafiltration. *Proceedings of the 1997 Water Quality Technology Conference.*

Oral Presentations:

1. **Juliano, J.J.**, Kwiek, J.J., Mwapasa, V., and Meshnick, S.R. (2006) Minority Variant *pfcr* K76T Mutations in Malawi Suggest Lurking Chloroquine Resistance. Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA.
2. **Juliano, J.** and Sobsey, M.D. (1997) Simultaneous Concentration of *Cryptosporidium*, Bacteria and Viruses from Water By Hollow Fiber Ultrafiltration. Water Quality Technology Conference, Denver, CO.

Poster Presentations:

1. **Juliano, J.J.**, Randrianarivelojosia, M., and Meshnick, S.R. (2008) Detection of Minority-Variant Chloroquine Resistant *Plasmodium falciparum* by a Non-radioactive Heteroduplex Tracking Assay. Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA.
2. **Juliano, J.J.**, Randrianarivelojosia, M., Arie, F., and Meshnick, S.R. (2008) Evolutionary Fitness of Minority-Variant Chloroquine-Resistant *Plasmodium falciparum* in Madagascar. Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA.
3. Bohorquez, E.B., **Juliano, J.J.**, Buscher, P., Brun, R., and Meshnick, S.R. (2008) Real-time PCR Assay for *Trypanosoma brucei* Detection. Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA.
4. **Juliano, J.J.**, Wenick, E., Arie, F., Lim, P., Tangpukdee, N., Krudsood, S., Olson, C., Looareesuwan, S., and Meshnick, S.R. (2007) Avoiding Misclassification of Recurrent *Plasmodium falciparum*

Principal Investigator/Program Director (Last, First, Middle): Juliano, Jonathan James

Parasitemias after Therapy. Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA.

5. **Juliano, J.** and Krathwohl, M. (2004) Minocycline-Associated Serum Sickness-Like Reaction and Hypersensitivity Pneumonitis. Regional Meeting of the ACP, Minneapolis, MN.
6. **Juliano, J.** and Sobsey, M.D. (1997) Recovery of *Cryptosporidium parvum* Oocysts from Water Using a Disposable Ultrafilter. Annual Meeting of the American Society of Microbiology, Miami, FL.

c. Research Support (For each section below list grant number, inclusive dates, sponsor, title, and your role in the grant or contract.)

Active

7/1/08-6/30/11: 1KL2RR025746-01 (Pisano)

5/19/2008-4/30/2013

NIH/NCRR

Annual Direct Costs: \$2,090,864

UNC Clinical Translation Science Award-K12 Scholars Program (KL2).

A national consortium with the goal of transforming how clinical and translational research is conducted, ultimately enabling researchers to provide new treatments more efficiently and quickly to patients. Dr. Juliano's role in the grant is Primary Investigator of his sub grant (3 years: 75% salary support, \$25,000 yearly for research supplies).

12/1/07-11/30/09: 1R21AI076785 (Meshnick)

12/1/07-11/30/09

NIAID

Annual Direct Costs: \$150,000

Prevalence and fitness of drug resistant minority variant mutations in Plasmodium falciparum

To (1) determine whether the prevalence of drug-resistant *P. falciparum* is higher when measured by HTA than by standard PCR; and (2) quantitate in-host fitness gains and losses of resistant minority variants in drug-treated and untreated individuals. Dr. Juliano's role in the grant is an Investigator. (Currently drawing no salary support)

Completed

6/15/07-6/14/08: IDSA ERF/NFID/Pfizer

2007 Merle A. Sande Fellowship Award in International Infectious Diseases

"Defining the Role of Minority Variant Chloroquine Resistant Malaria in Clinical Failure"

Principle Investigator

Amount of Award: \$60,000

6/15/06-6/14/07: DHHS/NIH/NIAID, Infectious Disease Pathogenesis Research Training Grant (5 T32 AI 007151-28)

Postdoctoral Trainee

6/15/05-6/14/06: DHHS/NIH/NIAID, Training in Sexually Transmitted Diseases and AIDS (5 T32 AI 07001-28)

Postdoctoral Trainee